

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the method comprising the following acts:

displaying to a user at the client an indication that the document is attached to a message even when the document is not attached to the message and in response to user input received at the client instructing a document stored at the client to be attached to the message such that whether or not the document is actually attached is transparent to the user;

sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction not including the document itself;

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the client therefore taking no further action,

but if the identified document is not already stored at the server, then receiving from the server an indication that the document identified in the document-inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server and the client thereafter determining whether

to send the document to the server and, whereupon, if it is determined by the client to send the document to the server, the server thereafter executes the document-inclusion instruction using the document sent by the client to the server.

2. (Original) A method in accordance with Claim 1, wherein the act of the client sending a document-inclusion instruction comprises an act of the client sending an instruction to send an electronic mail, the electronic mail having the identified document as an attachment.

3. (Original) A method in accordance with Claim 1, wherein the act of the client sending a document-inclusion instruction comprises an act of the client sending an instruction to forward an electronic mail, the electronic mail having the identified document as an attachment.

4. (Original) A method in accordance with Claim 1, wherein the act of the client sending a document-inclusion instructions comprises an act of the client sending an instruction to send a meeting request, the meeting request having the identified document as a calendar item attachment.

5. (Original) A method in accordance with Claim 1, wherein the act of the client sending a document-inclusion instruction comprises an act of the client sending an instruction to send a response to a meeting request, the response having the identified document as a calendar item attachment.

6. (Original) A method in accordance with Claim 1, wherein the act of the client sending a document-inclusion instruction comprises an act of the client sending an instruction to fax a document to a particular address.

7. (Original) A method in accordance with Claim 1, wherein the act of the client sending a document-inclusion instruction comprises an act of the client sending an instruction to print a document at a particular printer.

8. (Previously Presented) A method in accordance with Claim 1, wherein the act of the client receiving an indication that the document identified in the document-inclusion instruction is unavailable to the server comprises the following act:

receiving at the client an indication from the server that a version of the document identified in the document-inclusion instruction is not available at the server.

9. (Previously Presented) A method in accordance with Claim 8, wherein the act of the client sending the document to the server comprises the following act:

sending the version of the document from the client to the server.

10. (Previously Presented) A method in accordance with Claim 8, wherein the act of the client sending the document to the server comprises the following act:

sending from the client only those changes made between the version of the document that the server has access to and the version of the document identified in the document-inclusion instruction from the client.

11. (Previously Presented) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a computer program product for implementing a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the computer program product comprising a computer-readable media carrying computer-executable instructions for the method, and wherein the method is comprised of the following acts:

displaying to a user at the client an indication that the document is attached to a message even when the document is not attached to the message and in response to user input received at the client instructing a document stored at the client to be attached to the message such that whether or not the document is actually attached is transparent to the user;

sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction not including the document itself;

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the client therefore taking no further action,

but if the identified document is not already stored at the server, then receiving from the server an indication that the document identified in the document-inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server and the client thereafter determining whether to send the document to the server and, whereupon, if it is determined by the client to

send the document to the server, the server thereafter executes the document-inclusion instruction using the document sent by the client to the server

12. (Original) A computer program product in accordance with Claim 11, wherein the one or more computer-readable media comprise physical storage media.

13. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for causing a document-inclusion instruction to be sent to the server comprise the following:

computer-executable instructions for causing an instruction to send an electronic mail to be sent to the server, the electronic mail having the identified document as an attachment.

14. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for causing a document-inclusion instruction to be sent to the server comprise the following:

computer-executable instructions for causing an instruction to forward an electronic mail to be sent to the server, the electronic mail having the identified document as an attachment.

15. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for causing a document-inclusion instruction to be sent to the server comprise the following:

computer-executable instructions for causing an instruction to send a meeting request to be sent to the server, the meeting request having the identified document as a calendar item attachment.

16. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for causing a document-inclusion instruction to be sent to the server comprise the following:

computer-executable instructions for causing an instruction to send a response to a meeting request to be sent to the server, the response having the identified document as a calendar item attachment.

17. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for causing a document-inclusion instruction to be sent to the server comprise the following:

computer-executable instructions for causing an instruction to fax a document to a particular address to be sent to the server.

18. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for causing a document-inclusion instruction to be sent to the server comprise the following:

computer-executable instructions for causing an instruction to print a document at a particular printer to be sent to the server.

19. (Original) A computer program product in accordance with Claim 11, wherein the computer-executable instructions for detecting the receipt of an indication that the document identified in the document-inclusion instruction is unavailable to the server comprise the following:

computer-executable instructions for detecting the receipt of an indication that a version of the document identified in the document-inclusion instruction is not available at the server.

20. (Original) A computer program product in accordance with Claim 19, wherein the computer-executable instructions for causing the document to be sent to the server comprise the following:

computer-executable instructions for causing the version of the document to be sent to the server.

21. (Previously Presented) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, over a wireless network, the server configured to perform operations on documents on behalf of the user of the client a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the method comprising the following acts and steps:

as an act, displaying to a user at the client an indication that the document is attached to a message even when the document is not attached to the message and in response to user input received at the client instructing a document stored at the client to be attached to the message such that whether or not the document is actually attached is transparent to the user;

as an act, sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction not including the document itself; and

a step for ensuring that a document-inclusion operation corresponding to the document-inclusion instruction is performed by the client if and only if the client is advised by the server that the identified document is not already stored at the server so as to conserve the network bandwidth of the wireless network and, whereupon, if it is determined by the client to send the document to the server, the server thereafter executes the document-inclusion instruction using the document sent by the client to the server.

22. (Previously Presented) A method in accordance with Claim 21, wherein the step for ensuring comprises the following:

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the client therefore taking no further action,

but if the identified document is not already stored at the server, then receiving from the server an indication that the document identified in the document-inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server and the client thereafter determining whether to send the document to the server so that the server can complete the document-inclusion instruction.

23 -34 (Cancelled)

35. (Previously Presented) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a computer program product for implementing a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the computer program product comprising a computer-readable media carrying computer-executable instructions for the method, and wherein the method is comprised of the following acts and steps:

displaying to a user at the client an indication that the document is attached to a message even when the document is not attached to the message and in response to user input received at the client instructing a document stored at the client to be attached to the message such that whether or not the document is actually attached is transparent to the user;

as an act, sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction not including the document itself; and

a step for ensuring that a document-inclusion operation corresponding to the document-inclusion instruction is performed by the client if and only if the client is advised by the server that the identified document is not already stored at the server so as to conserve the network bandwidth of the wireless network and, whereupon, if it is determined by the client to send the document to the server, the server thereafter executes the document-inclusion instruction using the document sent by the client to the server.

36. (Previously Presented) The method of claim 1, wherein the document-inclusion instruction includes an identification of the document that does not depend on whether the document is actually identifiable at the server or not.

37. (New) The method of claim 1, further comprising if the identified document is not already stored at the server, the client then indicating to the server that a different version of the document stored at the server is acceptable, whereupon the server executes the document inclusion instruction using the different version of the document.

38. (New) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the method comprising the following acts:

receiving at the server a document-inclusion instruction sent by the client over the wireless network, the document-inclusion instruction not including the document itself;

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the server therefore taking the requested action with no further instruction from the client,

but if the identified document is not already stored at the server, then determining if a different version of the identified document stored at the server may be used in completing the document inclusion instruction; and

if the different version of the identified document may be used in completing the document inclusion instruction, the server thereafter completing the document-inclusion instruction using the different version of the identified document.

39. (New) The method of claim 38, wherein determining if a different version of the identified document stored at the server may be used in completing the document inclusion instruction comprises checking with the client to determine if the different version of the identified document may be used in completing the document inclusion instruction.